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The latter, as well as the Unionidæ (some of which are recent species), prove the deposit to be of post-pliocene age, instead of cretaceous, as claimed by Dr. Lea, Prof. Whitfield and some others. The character and age of these deposits were further considered by Messrs. Woolman and Heilprin.

A paper entitled 'The Planktonokrit, a centrifugal apparatus for the volumetric estimation of the food supply of oysters and other aquatic animals,' by Chas. S. Dolley, M. D., was presented for publication.

EDWARD J. NOLAN,
Recording Secretary.

PROCEEDINGS OF THE TORREY BOTANICAL
CLUB, MAY 12, 1896.

At the regular meeting, owing to the absence of the President and both Vice-Presidents, Dr. N. L. Britton and afterwards Mr. L. G. Fay occupied the chair. Dr. A. Schneider acted as Secretary.

One nomination for membership was received and the following communication was read and recommended to be placed on the minutes:

Secretary Torrey Botanical Club:

DEAR SIR: I have the honor to inform you that Mr. Edward Berry has presented the Torrey Club with fifty fine specimens of plants from the country about Passaic, N. J., and other counties of the same State. They will be mounted and placed among the other specimens in the herbarium as soon as opportunity offers. I remain, sir,

Very respectfully yours,
HELEN INGERSOLL,
Curator.

Mr. A. A. Tyler read his paper on 'A historical Review of the Study of Stipules.' He presented briefly the older opinions in regard to the morphology and modification of stipules. The paper was discussed by Dr. Britton and others. Mr. Tyler subsequently made further remarks on the origin and development of stipules.

The paper entitled 'Appendages to the Petioles of Liriodendron' by Mr. Arthur Hollick was read by title, owing to the absence of the author.

Meeting adjourned.

W. A. BASTEDO,
Secretary pro tem.

ALABAMA INDUSTRIAL AND SCIENTIFIC SOCIETY.

THE sixth annual meeting of the Alabama Industrial and Scientific Society was held in Birmingham, Ala., on May 13th; eighteen members present. On account of the death of the President, Mr. Thos. Seddon, the Vice-President, Mr. F. M. Jackson, presided. Papers were read before the Society, as follows:

'On the Manufacture of Steel in the Birmingham District,' by Paschal G. Shook; 'On the Grading of Coke Iron, with special reference to the Birmingham District,' by W. H. Brannon; 'On the Grading of Coke Iron,' by Dr. Wm. B. Phillips; 'On Gold Mining in Alabama,' by Wm. M. Brewer; 'On the Coal Washer used at Brookwood, Ala.,' by F. M. Jackson. A paper by Jno. S. Kennedy, of Chambersburg, Pa., on 'Blast Furnace Flue Dust,' was read by title in the absence of the author.

Steps were taken to provide for the collection and publication, monthly, by the Society, of the statistics of coal and iron production in Alabama. Twelve new members and the officers for the current year were elected. These officers are: President, F. M. Jackson; Vice-Presidents, Jas. H. Fitts and Jos. Squire. The Society then adjourned to meet again in November.

EUGENE A. SMITH,
Secretary.

NEW BOOKS.

- Publications of the Washburn Observatory of the University of Wisconsin.* Vol. IX. Part I. Investigation of the Aberration and Atmospheric Refraction. By GEORGE C. COMSTOCK. Part II. Determinations of Right Ascension. By ALBERT S. FLINT. Madison, Wis. 1896.
- Artistic and Scientific Taxidermy and Modelling.* MONTAGU BROWNE. London, Adam and Charles Black; New York, Macmillan & Co. 1896. Pp. xx+467. \$6.50.
- Ice Work, Present and Past.* T. G. BONNEY. New York, D. Appleton & Co. 1896. Pp. xiv+205. \$1.50.

Erratum: In the article by Prof. O. C. Marsh on *The Ape-man from the Tertiary of Java*, page 792 above, four lines were misplaced by the printers in inserting the illustrations. The last line of the first column and the first three lines of the second column should follow the fourth line of the first column.